NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SCIENCE, AERONAUTICS AND TECHNOLOGY

FISCAL YEAR 2000 ESTIMATES

GENERAL STATEMENT

GOAL STATEMENT

The Science, Aeronautics and Technology appropriation provides funding for the research and development activities of NASA. This includes funds to extend our knowledge of the Earth, its space environment, and the universe; and to invest in new aeronautics and advanced space transportation technologies that support the development and application of technologies critical to the economic, scientific and technical competitiveness of the United States.

STRATEGY FOR ACHIEVING GOALS

Funding included in the Science, Aeronautics and Technology appropriation supports the program elements of NASA's four Enterprises:

Human Exploration of Space - uses the microgravity environment of space to conduct basic and applied research to understand the effect of gravity on living systems and to conduct research in the areas of fluid physics, materials science and biotechnology.

Space Science - seeks to answer fundamental questions concerning the galaxy and the universe; the connection between the Sun, Earth and heliosphere; the origin and evolution of planetary systems; and, the origin and distribution of life in the universe.

Earth Science - to understand the total Earth system and the effects of natural and human-induced changes on the global environment.

Aero-Space Technology - to pioneer high-payoff, critical technologies with effective transfer of design tools and technology products to industry and government.

Funding is also included to provide highly reliable, cost effective telecommunications services in support of NASA's science and aeronautics programs, and to conduct NASA's Agencywide university, minority university, and elementary and secondary school programs.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SCIENCE, AERONAUTICS AND TECHNOLOGY

FISCAL YEAR 2000 ESTIMATES
(IN MILLIONS OF REAL YEAR DOLLARS)

	BUDGET PLAN		
	FY 1998	FY 1999	FY 2000
SCIENCE, AERONAUTICS AND TECHNOLOGY	**5,690.0**	**5,653.9**	**5,424.7**
SPACE SCIENCE	2,043.8	2,119.2	2,196.6
LIFE AND MICROGRAVITY SCIENCES AND APPLICATIONS	214.2	263.5	256.2
EARTH SCIENCE	1,417.3	1,413.8	1,459.1
AERO-SPACE TECHNOLOGY	1,483.9	1,338.9	1,006.5
MISSION COMMUNICATION SERVICES	400.8	380.0	406.3
ACADEMIC PROGRAMS	130.0	138.5	100.0

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

PROPOSED APPROPRIATION LANGUAGE

SCIENCE, AERONAUTICS AND TECHNOLOGY

For necessary expenses, not otherwise provided for, in the conduct and support of science, aeronautics and technology research and development activities, including research, development, operations, and services; maintenance; construction of facilities including repair, rehabilitation, and modification of real and personal property, and acquisition or condemnation of real property, as authorized by law; space flight, spacecraft control and communications activities including operations, production, and services; and purchase, lease, charter, maintenance and operation of mission and administrative aircraft, [$5,653,900,000] *$5,424,700,000*, to remain available until September 30, [2000] 2001. *(Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Acts, 1999.)*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SCIENCE, AERONAUTICS AND TECHNOLOGY

REIMBURSABLE SUMMARY
(IN MILLIONS OF REAL YEAR DOLLARS)

	BUDGET PLAN		
	FY 1998	FY 1999	FY 2000
SCIENCE, AERONAUTICS AND TECHNOLOGY	**508.0**	**599.1**	**576.6**
SPACE SCIENCE	53.6	90.2	77.1
LIFE AND MICROGRAVITY SCIENCES AND APPLICATIONS	0.6	1.4	1.5
EARTH SCIENCE	308.9	345.9	366.8
AERO-SPACE TECHNOLOGY	65.5	83.9	60.6
MISSION COMMUNICATION SERVICES	14.9	11.6	9.1
ACADEMIC PROGRAMS	0.1	0.8	.1
LAUNCH SERVICES	64.4	65.3	61.4

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

FISCAL YEAR 2000 ESTIMATES

DISTRIBUTION OF SCIENCE, AERONAUTICS, AND TECHNOLOGY BY INSTALLATION
(Thousands of Dollars)

Program		Total	Johnson Space Center	Kennedy Space Center	Marshall Space Flight Center	Stennis Space Center	Ames Research Center	Dryden Flight Research Center	Langley Research Center	Glenn Research Center	Goddard Space Flight Center	Jet Propulsion Lab	Headquarters
Space Science	1998	2,043,800	11,069	127,988	238,014	0	81,944	0	16,474	32,121	793,997	668,180	74,013
	1999	2,119,200	14,395	206,166	174,057	0	108,822	0	11,991	22,141	790,781	720,947	69,900
	2000	2,196,600	10,538	184,142	142,012	0	99,381	0	10,884	20,720	786,253	892,917	49,753
Life and Microgravity Sciences and Applications	1998	214,200	54,300	5,200	50,800	0	25,000	0	400	34,800	10,500	13,200	20,000
	1999	263,500	75,800	5,000	65,800	0	34,600	0	200	37,400	9,100	13,800	21,800
	2000	256,200	73,200	3,800	65,500	0	32,700	0	0	38,000	6,100	14,300	22,600
Earth Science	1998	1,417,300	400	100,620	25,882	37,793	8,560	21,456	39,876	7,414	930,000	219,337	25,962
	1999	1,413,800	0	92,700	18,600	40,400	10,200	16,900	34,900	0	928,300	222,100	49,700
	2000	1,459,100	0	66,900	38,300	32,700	13,300	19,000	59,900	0	916,000	251,700	61,300
Aeronautical Research and Technology	1998	920,100	669	0	2,302	0	229,699	93,425	325,008	249,992	5,566	1,387	12,052
	1999	768,900	1,085	0	2,428	0	198,040	77,809	265,633	206,832	7,244	1,769	8,060
	2000	620,000	0	0	2,133	0	196,711	91,405	163,329	158,235	0	0	8,187
Advanced Space Transportation Technolog	1998	417,100	4,757	668	325,935	16,990	12,258	6,230	13,958	11,500	1,080	9,046	14,678
	1999	429,600	1,745	1,036	321,248	30,340	10,156	7,413	22,650	11,636	40	4,166	19,170
	2000	254,000	934	900	207,106	1,269	7,605	3,093	13,546	8,567	30	1,646	9,304
Commercial Technology	1998	146,700	13,325	6,470	30,620	4,107	16,733	2,916	18,451	20,107	27,425	4,200	2,346
	1999	140,400	16,452	7,822	21,398	4,306	13,364	3,312	17,648	19,799	26,391	2,220	7,688
	2000	132,500	16,800	5,100	21,800	4,000	12,900	3,400	17,600	15,500	24,100	9,200	2,100
Total Aeronautics & Space Transportation Technolog	1998	1,483,900	18,751	7,138	358,857	21,097	258,690	102,571	357,417	281,599	34,071	14,633	29,076
	1999	1,338,900	19,282	8,858	345,074	34,646	221,560	88,534	305,931	238,267	33,675	8,155	34,918
	2000	1,006,500	17,734	6,000	231,039	5,269	217,216	97,898	194,475	182,302	24,130	10,846	19,591
Mission Communication Services	1998	400,800	6,700	0	2,100	0	0	14,600	0	9,800	205,600	159,400	2,600
	1999	380,000	5,500	0	300	0	0	12,600	0	10,100	187,400	161,000	3,100
	2000	406,300	8,800	0	300	0	0	14,900	0	10,100	192,000	174,900	5,300
Academic Programs	1998	130,000	3,600	4,700	10,900	2,000	7,400	1,700	3,900	8,600	73,900	2,900	10,400
	1999	138,500	4,200	6,500	8,500	4,100	6,400	3,600	6,600	14,400	70,400	4,400	9,400
	2000	100,000	3,500	5,100	7,700	3,500	5,800	2,800	5,500	3,200	49,500	4,000	9,400
TOTAL SCIENCE, AERONAUTICS AND TECHNOLOGY	1998	5,690,000	94,820	245,646	686,553	60,890	381,594	140,327	418,067	374,334	2,048,068	1,077,650	162,051
	1999	5,653,900	119,177	319,224	612,331	79,146	381,582	121,634	359,622	322,308	2,019,656	1,130,402	188,818
	2000	5,424,700	113,772	265,942	484,851	41,469	368,397	134,598	270,759	254,322	1,973,983	1,348,663	167,944